

Claim

1. A thermal insulating material comprising at least one first component with at least one first phase, which stoichiometrically contains 1 to 80 mol-% of M_2O_3 , 0.5 to 80 mol-% MeO and a remainder of Al_2O_3 with incidental impurities, wherein M is selected from the group formed by lanthanum, neodymium and mixtures thereof, and wherein Me is selected from the group formed by the alkaline earth metals, transition metals, the rare earths and mixtures thereof.